

App. No. 09/809,084
Art Unit: 2161

Docket No. 2000-EM001

38. (New) The method of claim 32, wherein the from states are a subset of the set of current states.

39. (New) The method of claim 37, wherein the at least one transition further comprises transition arguments that are communicated to the at least one task.

40. (New) The method of claim 35, wherein at least one of the executing instances further comprises calls to another model as a sub-instance.

41. (New) The method of claim 40, wherein the sub-instance further comprises means for communicating with the at least one instance.

42. (New) The method of claim 40, wherein transitions of the at least one instance are configured to stop executing while the sub-instance executes and continues executing when the sub-instance is done executing.

43. (New) A system for provisioning communication services, the system comprising:
means for defining a state machine associated with a provisioning model, the state machine comprising a set of current states of the provisioning model; and
means for defining at least one transition within the provisioning model that defines conditions under which states are added to or removed from the set of current states of the provisioning model; and
means for generating a signal that identifies when a transition occurs that either adds states to the state machine or removes states from the state machine.

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44. (New) The system of claim 43, wherein the at least one transition comprises at least one of a signal type, a set of from states or a set of to states.

45. (New) The system of claim 44, wherein the at least one transition performs at least one of adding the to states to the set of current states or removing the from states from the set of current states when a signal matching the signal type is received.

46. (New) The system of claim 44, wherein the signal matching the signal type is received by an executing instance of the provisioning model and the from states are a subset of the set of current states.

47. (New) The system of claim 43, wherein the at least one transition modifies arguments of a generated signal.

48. (New) The system of claim 43, wherein the signal is generated by an external API of the system for provisioning communication services.

49. (New) The system of claim 43, wherein the means for generating a signal further comprises:

means for generating a signal API call; and

means for delivering a signal at a predetermined time after a corresponding signal API call.

50. (New) The system of claim 43, wherein the provisioning model comprises a plurality of executing instances each storing data specific to a respective one of the instances.

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51. (New) The system of claim 50, wherein the provisioning model further comprises stored data to be used by each of the instances.
52. (New) The system of claim 44, wherein the at least one transition further comprises at least one task that is executed when a signal matching the signal type is received.
53. (New) The system of claim 44, wherein the from states are a subset of the set of current states.
54. (New) The system of claim 52, wherein the at least one transition further comprises transition arguments that are communicated to the at least one task.
55. (New) The system of claim 50, wherein at least one of the executing instances further comprises calls to another model as a sub-instance.
56. (New) The system of claim 55, wherein the sub-instance further comprises means for communicating with the at least one of the executing instances.
57. (New) The system of claim 55, wherein transitions of the at least one instance are configured to stop executing while the sub-instance executes and to continue executing when the sub-instance is done executing.